

HW 1

Weather Dependent RFID Study

Group 0920

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The main objective is to measure the weather effects on RFID tags and eventually build up a miniature weather station. After testing, the RFID tags will be used to keep track of cattle.

Weather measurements

- Humidity
- Temperature
- Rainfall
- Wind speed
- Sunny/Cloudy
- Atmospheric Pressure

Constraints

- Decreasing sensitivity of RFID tag
- Compatibility of the sensors with a processor
- Finding sensors that work
- Durability of the sensors
- Weatherproofing the circuit
- Budget problems
- Software that works with the circuit